THE

QUEENSLAND AGRICULTURAL JOURNAL,

ISSUED BY DIRECTION OF

THE HON. THE SECRETARY FOR AGRICULTURE.

EDITED BY A. J. BOYD F.R.G.S.Q.

NEW SERIES.

VOLUME VI.

JULY TO DECEMBER, 1916.

BY AUTHORITY:
ANTHONY JAMES CUMMING, GOVERNMENT PRINTER, BRISBANE.

1916.

QUEENSLAND AGRICULTURAL JOURNAL.

VOL. VI. PARTS 1 TO 6.

GENERAL INDEX.

Page.

A.

A Cheap and Effective Boring Plant ... 331
A Hide, To Tan 41
A Hint to Fruitgrowers 18
A Maize-cum-Potato Crop 18
A New and Prolific Source of Glycerine 107
A New Cotton-picking Machine ... 218
A New Fibre available in Cuba 194
A New Fruit-preserving Process ... 372
A New Hybrid Yellow Wheat 198
A New Insect Pest of Sugar-cane ... 102
A New Parasite of the Sheep Maggot Fly 177
A New System of Cotton-growing ... 69
A New Tanning Process 205
A Rapidly Vulcanising Rubber 197
A Right Angle, to Obtain 111
A Substitute for Paris Green 40
A Useful Hint to Gardeners 309
A Warning to Rubber Planters 197
A Way to Utilise Old Newspapers ... 303
A Worm New to Queensland 76
Act, the Workers' Compensation 42, 109
Agricultural Bank 180
Agricultural College, Dairy Herd, 13, 80, 180, 248, 321, 375
Agricultural College Egg-laying Competition 14, 81, 185, 250
Agricultural Department's Exhibits at the National Association's Show, August, 1916 141
Agricultural Districts, Rainfall in the 47, 115, 209, 261, 341, 381
Agriculture 1, 53, 121, 215, 285, 346
Alcohol, De-natured Spirit of 38
Analysis, Soil 264
An Appliance for Destroying the French Bean Fly 228
An Effective Gate Fastener 41
Anonymous Communications 380
Another Possible Source of Potash ... 12
Answers to Correspondents 43, 110, 277, 380
Ant Pest, Dealing with the 380
Apiculture 258
Appliance for Destroying the French Bean Fly 228
Artificial Teeth for Horses 257
Asparagus 10
Astronomical Data 48, 116, 210, 281, 339, 382
Australia, Mules for 181
Australian Honey, Density of 80

Page.

B.

Bacon and Hams, Home-curing ... 238
Banana Beetle at Cooroy 308
Banana Trade, The Fiji 89
Basic Slag for Natural Pasture 12
Bean Fly, An Appliance for Destroying the 228
Bean Fly and Other Pests 34
Bean, The Jack 318
Bean, The Sword 318
Beef, To Corn 111
Bees: Do they Injure Fruit? 258
Bees: Part Played by them in Warfare 275
Beetle, the Cane, Grub Stage of the ... 35
Black Leg, or Quarter Ill 255
Bones for Manure 291
Boring Plant, A Cheap and Effective ... 331
Botany 104, 262, 318, 373
British Breeds of Sheep, Proposed Type Standard for 75
British New Guinea Development Co. ... 193
Broom Millet for Profit 290
Buderim State School, Grape Culture at the 19
Buderim Mountain Branch of the Queensland Farmers' Union ... 379
Butter Awards at the National Association's Show at Bowen Park, August, 1916 172

C.

Cabbages, Growing for Seed 136
Cabbages, Keeping 136
Canada, Rural Highways in 122
Canada, The Patriotic Acre Scheme in 7
Canaigre 66
Canary Seed 260
Cane Beetle, Grub Stage of the 35
Cane Damaged by Frost, Treating ... 32
Cane Harvester, The Luce 346
Canker of Citrus Trees, Notes on ... 93
Care of Dairy Cows 323
Cassava 313
Castor Oil Seed 65
Cattle, Experimental Feeding of with Prickly-pear 239, 304
Champion Cow of Denmark 248
Cheap and Effective Boring Plant ... 331
Cheese, Goats' Milk 322

Page.

Cheese Awards at the National Association's Show at Bowen Park, August, 1916 175
Chicken Pox, or Sore Head, Treatment and Prevention of by Vaccination 85
Chillie Wine 13
Chinese, Stocks Used by 254
Citrus Canker, Notes on 93
Citrus Trees, Renovating by Explosives 110
Coat, To Waterproof a 106
Coddin Moth, Wool Yolk for 308
Control of Insect Enemies of Sugar-cane 202
Co-operative Wine Cellars 199, 257, 311, 355
Coral Sand in the North 9
Corn-growing Competition 291
Corn-growing Competition: Hints to Competitors 294
Correspondents, Answers to 43, 110, 277, 380
Cottage Gardening at Gladstone ... 138
Cotton and the Cotton Mill Industry ... 285
Cotton Crop of 1915-16 215
Cotton Cultivation, A New System of ... 69
Cotton-growers, Important to 285
Cotton-growing 4, 69
Cotton Market, The Sea Island 388
Cotton Mems. Worth Noting 313
Cotton: No Cotton, No Shells ... 131
Cotton Notes 66, 131, 286, 313
Cotton-picking Machine, A New ... 218
Cotton-picking Machine, The Latest ... 20
Cotton-planting 67
Cotton Seed for the 1916 Season 27, 138
Cotton, The Outlook for 204
Cotton Varieties, Improvement in by Selection 295
Cotton, Wild 104
Cross-bred Sheep 43
Crushing Dates, Queensland Sugar-mills 31
Cuba, A New Fibre in 194
Cultivation of Sweet Potatoes 54

D.

Dairy Cows, Profitable Care of 323
Dairy Herd, Queensland Agricultural College 13, 80, 180, 248, 321, 375
Dairying 13, 80, 180, 248, 321, 375
Dealing with the Ant Pest 380
De-natured Spirit of Alcohol 38
Demonstration Plots, Sorghum ... 224, 227
Denmark, Champion Cow of 248
Density of Australian Honey 80
District Exhibits at Bowen Park, 1916 157
Divining Rod 310
Do Bees Injure Fruit? 258
Dry District Sorghums 220
Durian Seeds, Experiments in Shipping 90

E.

Effective Gate Fastener 41
Egg-laying Competition, Queensland Agricultural College 14, 81, 185, 250, 326, 328, 377
Eggs, Stale: Who is to be Blamed? ... 83
Enoggera Sales ... 46, 114, 208, 280, 338
Entomology 202, 267
Essential Oils, Simple Stills for 333
Euphorbia Pilulifera 43
Exhibition Notes on Fibrous Plants ... 235
Exhibition Notes on the District Exhibits, 1916 157
Exhibition Stock Sales 280
Exhibits of the Agricultural Department at Bowen Park, August, 1916 141
Experimental Feeding of Cattle with Prickly-pear 239, 304
Experiments in Shipping Durian Seeds 90
Explosives, Use of in the Orchard ... 110
Explosives, Soil, The Value of 61

F.

Farm and Garden Notes 49, 117, 211, 283, 342
Farm Produce, Prices of in the Brisbane Markets ... 44, 112, 206, 278, 336
Farmers and Fruitgrowers, Lime for ... 75
Farming at Landsborough 90
Feeding Cattle on Prickly-pear 239
Fibre, A New, Available in Cuba ... 194
Fibrous Plants as a Source of Paper ... 235
Fiji Banana Trade 89
Footrot in Sheep 244
Fowls, Table 37
French Bean Fly, An Appliance for Destroying the 228
Fruit and Cottage Garden Competition 40
Fruit: Do Bees Injure it? 258
Fruit Fly, Trapping the 188
Fruitgrowers, A Hint to 18
Fruitgrowers' Conference, Brisbane, November, 1916 357
Fruit-growing at Landsborough ... 252
Fruit-preserving Process, A New ... 372
Fruit, Prices of in the Southern Markets 45, 113, 207, 279, 337
Fruit, Prices of in the Turbot Street Markets 45, 113, 207, 279, 337

G.

Gardening, Market 10, 135, 228, 303, 353
Gate Fastener, An Effective 41
General Notes ... 38, 109, 205, 275, 330, 379
Germany, Rubber Famine in 97
Ginseng 300, 379
Gladstone, Cottage Gardening at ... 138
Glycerine, A New and Prolific Source of 107
Goat's Milk Cheese 322
Goats Nubian, Importation of 79
Grain or Dry District Sorghums ... 220
Grape Culture at Buderim State School 19
Grooved Sugar-mill Rollers 30
Growing Cabbages for Seed 136
Grub Pest of Sugar-cane—Remedial Measures Suggested 202
Grub Stage of the Cane Beetle 35

H.

Hams and Bacon, Home-curing of ... 238
Hemp Market 388
Hemp Sisal 96
Hides, To Tan 41
Highways, Rural in Canada 122
Hint to Fruitgrowers 18
Hints to Competitors in the Corn-growing Competition 294
Home-made Rennet, The Preparation of 323
Home Milk Testing, Bowen Park Exhibition, August, 1916 169
Honey, Australian, Density of 80
Horse, Sore Shoulders of the 354
Horses 16, 181, 257, 354
Horses, Artificial Teeth for 257
Horses: Where are They? 16
Horticulture 189, 309
How, and When to Prune Roses ... 189
Humogen 6
Hybrid Yellow Wheat, A New 198

Page.

I.

Importation of Nubian Goats 79
Improvement in Cotton Varieties by Selection 295
Incidence of the New Scheme of Taxation 330
Industries, Tropical 20, 96, 191, 313

J.

Jack Bean 318
Jam, Orchardists Making 18
Juvenile Corn-growing Competition ... 291

K.

Keeping Cabbages 136

L.

Landsborough, Farming at 90
Landsborough, Fruit-growing at ... 252
Latest Cotton-picking Machine ... 20, 218
Leaching of Nitrate from the Soil ... 279
Lime for Farmers and Fruitgrowers ... 73
London Quotations 46, 388
Luce Cane Harvester 346

M.

Machine, A New Cotton-picking ... 218
Machine, The Latest Cotton-picking ... 20
Machine, The Price-Campbell Cotton-picking 6
Maize-cum-Potato Crop 18
Maize Seed for Disposal, 1916-1917 ... 57
Maize Stalks, Utilising 217
Manure, Bones for 291
Manure for Roses 190
Market Gardening 10, 135, 228, 303, 353
Markets 44, 112, 206, 278, 336
Mexico, The Sisal Hemp Trade of ... 32
Milk Testing at the Exhibition, Bowen Park, August, 1916 169
Mules for Australia 181
Mushrooms 233

N.

Natural Pasture, Basic Slag for ... 12
New Cotton-picking Machine 218
New Fibre Available in Cuba 194
New Fruit Preserving Process 372
New Hybrid Yellow Wheat 198
New Insect Pest of Sugar-cane 102
New Parasite on the Sheep Maggot Fly 177
New Scheme of Taxation 330
New Source of Glycerine 107
New System of Cotton Cultivation ... 69
New Tanning Process 205
Newspapers, Old, A Way to Utilise ... 303
Nitrates Leaching from the Soil ... 219
No Cotton, No Shells 131
Notes, Cotton 66, 131, 286, 313
Notes, Farm and Garden 49, 117, 211, 283, 342
Notes, General ... 38, 109, 205, 330, 379
Notes on Citrus Canker 93
Notes on the Exhibits at Bowen Park, 1916 ... ... 141, 157, 235
Notes on the Weeds of Queensland 104, 262, 373

Page.
Notes in connection with a Conference of Fruitgrowers, held at the Land Court, Executive Buildings, Brisbane, on Wednesday and Thursday, 18th and 19th October, 1916 357
Notes, Orchard 50, 118, 215, 282, 343
Notes, Pastoral 11, 75, 177, 239, 244, 247, 304
Nubian Goats, Importation of 79
Nut, The Pecan 187

O.

Oil, Castor 65
Oil, Red, for the Red Spider 255
Oil Seeds which Can be Profitably Grown in Queensland 1, 64
Oils, Essential, Simple Stills for ... 333
Old Newspapers: A Way to Utilise them 303
One-Farm Exhibits at Bowen Park, August, 1916 162
Onion-growing 277
Orchard 18, 89, 187, 252, 308, 343, 357
Orchard, The Use of Explosives in 110, 112
Orchardists Making Jam 18

P.

Paper, Fibrous Plants as a Source of ... 235
Parasite on Sheep Maggot Flies, A New 177
Paris Green, A Substitute for 40
Part Played by Bees in Fights on Sea and Land 275
Pastoral Notes 11, 75, 177, 239, 244, 247, 304
Patriotic Acre Scheme in Canada ... 7
Pecan Nut 187
Pests, Sugar-cane 36, 102
Pig Awards at the Exhibition, Bowen Park, August, 1916 176
Planting Immature Seed Potatoes ... 353
Planting Potatoes on New Land ... 289
Pork and Snakes 40
Potash, Another Possible Source of ... 12
Potash, Scarcity of 380
Potato Blight 379
Potato-cum-Maize Crop 18
Potatoes, Planting Immature Seed ... 353
Potatoes, Planting in New Land ... 289
Poultry 14, 81, 185, 249, 326, 377
Prevention of Chicken Pox by Vaccination 85
Price-Campbell Cotton-picking Machine 6
Prices of Farm Produce in the Brisbane Markets 44, 112, 206, 278, 336
Prices of Fruit in the Southern Markets 45, 113, 207, 279, 337
Prices of Fruit in the Turbot Street Markets 45, 113, 207, 279, 337
Prices of Vegetables in the Brisbane Markets 45, 112, 206, 278, 336
Prickly-pear Stock Feeding Station, Wallumbilla 243, 304
Prickly-pear, Some Uses of 71
Prickly-pear, The Experimental Feeding of Cattle with 239
Proposed Type Standard for British Breeds of Sheep 75
Pruning Roses 189

Q.

Quarter Ill or Black Leg 255
Queensland, A Worm New to 76
Queensland Agricultural College Dairy Herd 13, 80, 180, 248, 321, 375

Page.

Queensland Agricultural College Egg-laying Competition 14, 81, 185, 250, 326, 328, 377
"Queensland Agricultural Journal" ... 345
Queensland, Oil Seeds which may be Profitably Grown in 1, 64
Queensland Sugar Crop for 1916 ... 198
Queensland Sugar-mills: Crushing Dates 31
Queensland Weeds 104

R.

Rainfall in the Agricultural Districts 47, 115, 209, 261, 341, 381
Red Oil for the Red Spider 255
Regulation of Sugar Prices Act 42
Remedy for Sea Sickness 109
Rennet, Home made, The Preparation of 323
Renovating Citrus Trees by Explosives 110
Report of Fruitgrowers' Conference, Brisbane, November, 1916 357
Report on a Visit to J. H. Evans' Farm, Wallumbilla 121
Rice Farm 99
Rice, Value of 100
Right Angle, To Obtain a 111
Rollers, Sugar-mill, Grooved 30
Rosella and Tomato Vinegar 108
Roses, How and When to Prune ... 189
Roses, Manure for 190
Rubber, A Rapidly Vulcanising 197
Rubber Famine in Germany 97
Rubber Planters, A Warning to ... 197
Rural Highways in Canada 122

S.

Sales, Enoggera 46, 114, 208, 280, 338
Sales of Exhibition Stock 280
Scarcity of Potash 380
Science 107, 264, 310
Sea Island Cotton Market 388
Sea Sickness, Remedy for 109
Seed, Castor Oil 65
Seed Cotton for the 1916 Season 27, 138
Seed Maize for Disposal, 1916-17 ... 57
Seed, Sunflower 64
Seeds, Oil which can be Profitably Grown in Queensland 1, 64
Sheep, British Breeds of, Type Standard for 75
Sheep, Crossbred 43
Sheep, Footrot in 244
Sheep Maggot Fly, A New Parasite of the 177
Sheep on the Coast 247
Sheep, Stomach Worms in 11, 76
Shipping Durian Seeds, Experiments in 90
Sida acuta 262
Simple Stills for Essential Oils 333
Simultaneous Crops 135
Sisal Hemp 96
Sisal Hemp Trade of Mexico 32
Snakes and Pork 40
Societies, Agricultural 379
Soil Analysis 264
Soil Explosives, Value of 61
Some Notes on Citrus Canker 93
Some Uses of Prickly-pear 71
Sorghum Demonstration Plots ... 224, 227
Sore Head in Chickens, Prevention of 85

Page.

Sore Shoulders of the Horse 354
Southern Fruit Market 45, 113, 207, 279, 337
Spider or Tick Fly of the Horse ... 267
Spirit of Alcohol De-natured 38
Stale Eggs: Who is to Blame? 83
Statistics 47, 115, 209, 261, 341, 381
Stills for Essential Oils 333
Stocks Used by Chinese 254
Stomach Worms in Sheep ... 11, 76
Striking Phases of the Cotton and the Mill Industry 285
Substitute for Paris Green 40
Sugar-cane, A New Insect Pest of ... 102
Sugar-cane, Commercial Cane Sugar in 191
Sugar-cane, Grub Pest of 202
Sugar-cane Insect Enemies, Control of 202
Sugar-cane Pests 36, 102, 202
Sugar-cane Prices, Regulation of ... 42
Sugar Crop of 1916 198
Sugar-mill Rollers, Grooved 30
Sugar-mills, Crushing Dates 31
Sugar Prospects in the North 24
Sunflower Seed 64
Sunrise and Sunset 48, 116, 210, 281, 339, 382
Sweet Potatoes, The Cultivation of ... 54
Sword and Jack Bean 318

T.

Table Fowls 37
Tanning a Hide 41
Tanning Process, A New 205
Taxation, Incidence of the New Scheme of 350
The Champion Cow of Denmark ... 248
The Cultivation of Sweet Potatoes ... 54
The Divining Rod 310
The Fiji Banana Trade 89
The Mule for Australia 181
The Outlook for Cotton 204
The Patriotic Acre Scheme in Canada 7
The Pecan Nut 187
The Preparation of Home-made Rennet 323
The Sisal Hemp Trade of Mexico ... 32
The Spider, or Tick Fly of the Horse 267
The Wine Industry 355
The Use of Explosives in the Orchard ... 110
The Workers' Compensation Act 42, 109
Tick Fly of the Horse 267
Times of Sunrise and Sunset 48, 116, 210, 281, 339, 382
To Corn Beef 111
To Obtain a Right Angle 111
To Tan a Hide 41
To Waterproof a Coat 105
Tomatoes 353
Tomatoes, Training to One Stem ... 303
Training Tomatoes to One Stem ... 303
Trapping the Fruit Fly 188
Treating Sugar-cane Damaged by Frost 32
"The Queensland Agricultural Journal" 345
The "Luce" Cane-harvesting Machine 346
Treatment and Prevention of Sore Head or Chicken Pox by means of Vaccination 85
Tropical Industries ... 20, 96, 191, 313

U.

Uses of Prickly-pear 71
Utilising Old Newspapers 303
Utilising Maize Stalks 217

Page.

V.

Vaccination, A Cure for Chicken Pox by 85
Value of Rice 100
Value of Soil Explosives 61
Vegetables, Prices of in the Brisbane Markets 45, 112, 206, 278, 336
Viticulture 19, 256, 311, 355

W.

Wallumbilla Prickly-pear Stock Experiment Station 243
Wallumbilla: Report on J. H. Evans' Farm 121
Warning to Rubber Planters 197
Waterproofing a Coat 106
Weeds of Queensland, Notes on the 104, 262, 373
Wheat, A New Hybrid Yellow 198
When and How to Prune Roses 189
Where are the Horses? 16
Who is to be Blamed for Stale Eggs? ... 83
Wild Cotton 104
Wine Cellars, Co-operative 199, 257, 311, 355
Wine, Chillie 13
Winegrowers' Co-operative Cellars 199, 257, 311, 355
Wool Yolk for Codlin Moth 308
Workers' Compensation Act ... 42, 109
Worms in Sheep 76

INDEX TO ILLUSTRATIONS.

	Page.
The Modern Cotton Picker in Operation	21
Cotton Picker with Casing Opened to show the Mechanism	21
Cotton Picker Moving between the Rows	22
An Effective Gate Fastener	41
Improved Yellow Dent Maize, Hiawatha Yellow Dent	58
Reid's Yellow Dent, Boone County White	59
Root Growth of the Cotton Plant ...	68
Trichocephalus affinis	77, 78
Messrs. Skerman's Banana Plantation at Landsborough	91
Plant Cane on Mr. Brennan's Farm at Landsborough	92
Gomphocarpus	105
Cottage Gardening at Gladstone ...	139
Arrival of His Excellency the Governor-General at the Show Grounds, Bowen Park	140
Entrance to the Court of the Agricultural Department at Bowen Park, 1916	142
Grain Sorghums	222
Sorghum Demonstration Plots ...	224, 227
An Appliance for Destroying the French Bean Fly	229, 231

	Page.
Common Meadow Mushroom	233
Mushrooms Grown in the Samford District	234
Aboriginal Work in Paper and Basket-making	236
Nine-months-old Papaw Tree at Landsborough	252
Bananas Grown without Fertilisers ...	253
Bananas at Landsborough	253
Sida acuta	263
Cotton Samples	296, 299, 300
Flower Bed Protector	309
Field of Cassava at Childers	315
A Maize Starch Plant	316
The Sword and Jack Beans	318
Rennet Filters	325
Boring Plant	332
Still for Essential Oil	333
Christmas Greetings	Frontispiece Dec.
"Luce" Cane Harvester:	
Harvester Entering Row	349
Operator's Side of Harvester ...	350
Square in Front View	351
Cane Picked up at Random ...	352
Protection for Sore Shoulders in Horses	354
Cape Spinach	374

8B64